

Date: Sun, 10 Jul 94 04:30:39 PDT
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
Reply-To: Ham-Space@UCSD.Edu
Precedence: Bulk
Subject: Ham-Space Digest V94 #182
To: Ham-Space

Ham-Space Digest Sun, 10 Jul 94 Volume 94 : Issue 182

Today's Topics:

 ARLK027 Keplerian data
 STS-65 Element Set (94190.458)
 STS-65 Orbital State Vector Rev #13
 subscribe
 VP5 on RS-12

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sat, 09 Jul 1994 17:21:36 EDT
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!lll-winken.llnl.gov!noc.near.net!
usenet.elf.com!rpi!psinnntp!arrl.org!usenet@network.ucsd.edu
Subject: ARLK027 Keplerian data
To: ham-space@ucsd.edu

SB KEP @ ARL \$ARLK027
ARLK027 Keplerian data

ZCZC SK94
QST de W1AW
Keplerian Bulletin 27 ARLK027

Date: Sat, 9 Jul 1994 22:49:52 GMT
From: telesoft!garym@uunet.uu.net
Subject: STS-65 Element Set (94190.458)

To: ham-space@ucsd.edu

STS-65

```
1 23173U 94039A 94190.45882538 .00081091 27597-7 25567-3 0 60
2 23173 28.4670 1.9971 0003161 309.0648 174.9381 15.90053069 138
```

(for Shuttle Elements subscription info, email: listserv@alsys.com)

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```
Gary Morris          Internet: elements-request@alsys.com
KK6YB                Packet:  KK6YB @ N0ARY.#NOCAL.CA.USA.NA
San Diego, CA, USA   Phone:   +1 619-457-2700 x128
```

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```
Gary Morris          Internet: garym@alsys.com (garym@cts.com)
Alsys Inc.           Packet:  KK6YB @ N0ARY.#NOCAL.CA.USA.NA
San Diego, CA, USA   Phone:   +1 619-457-2700 x128 (voice/fax)
```

Date: Sat, 9 Jul 1994 20:46:32 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
astroman@network.ucsd.edu
Subject: STS-65 Orbital State Vector Rev #13
To: ham-space@ucsd.edu

Vector format = 117

```
Satellite Name:      STS-65
Catalog Number:      23173 94039A
Epoch Date/Time:    94190.45882538194
                     07/09/1994 11:00:42.513 UTC
EFG E:               16032041.17 ft
F:                   12169101.21 ft
G:                   8647762.40 ft
Edot:                -11459.7028 ft/s
Fdot:                19925.3736 ft/s
Gdot:                -6766.2331 ft/s
ndot/2 (drag):       0.00081090896 rev/day^2
nddt/6:              2.75972E-08 rev/day^3
Bstar:               2.55671E-04 1/Earth Radii
Elset #:              6
Rev @ Epoch:         13.34449974588
```

MSDOS/PC software is available for conversion of
OSV to 2 Line Keplerian Elements via ftp to:
oak.oakland.edu:/pub/msdos/hamradio/v219331.zip
and the SIMTEL archives.

State Vectors courtesy Ken Ernandes N2WWD

SM

Date: 9 Jul 94 11:59:34 GMT
From: news-mail-gateway@ucsd.edu
Subject: subscribe
To: ham-space@ucsd.edu

subscribe
hnelson@facstaff.wisc.edu

Date: Fri, 8 Jul 1994 20:50:28 GMT
From: ncrqw2.ncr.com!ncrhub2!ncrcae!news@uunet.uu.net
Subject: VP5 on RS-12
To: ham-space@ucsd.edu

Will, AA4NC, is in Turks & Caicos this weekend for the IARU contest. Outside of the contest, he has promised WARC and RS12 activity.
73, Tom WB4iUX

73, Tom WB4iUX
(for mailer impaired: Tom.Skelton@ClemsonSC.NCR.COM)
DX IS !!!!!

Date: (null)
From: (null)

Date: Sun, 10 Jul 1994 01:45:51 GMT
From: telesoft!garym@uunet.uu.net
To: ham-space@ucsd.edu

References <STS-65.94189.762@alsys.com>, <STS-65.94189.746@alsys.com>,
<STS-65.94190.458@alsys.com>net
Reply-To : elements-request@alsys.com
Subject : STS-65 Element Set (94190.625)

STS-65

```
1 23173U 94105A 94190.62548630 .00052344 00000-0 15762-3 0 52
2 23173 28.4641 0.7490 0002728 316.9968 43.0429 15.90169039 166
```

Satellite: STS-65

Catalog number: 23173

Epoch time: 94190.62548630 = (09 JUL 94 15:00:42.01 UTC)

Element set: 005

Inclination: 28.4641 deg

RA of node: 0.7490 deg

Space Shuttle Flight STS-65

Eccentricity: .0002728

Keplerian element set JSC-005

Arg of perigee: 316.9968 deg

from NASA flight Day 2 vector

Mean anomaly: 43.0429 deg

Mean motion: 15.90169039 rev/day

G. L. Carman

Decay rate: 5.2344e-04 rev/day^2

NASA Johnson Space Center

Epoch rev: 16

(for Shuttle Elements subscription info, email: listserv@alsys.com)

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End of Ham-Space Digest V94 #182
